



BUREAU OF LAND AND WASTE MANAGEMENT UNDERGROUND STORAGE TANK PROGRAM

2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-6240
Fax (803) 896-6245

October 10, 2003

SUPERB ACCOUNT ALLOWABLE COSTS

Underground Storage Tank (UST) owners or operators, who are responsible for releases that are qualified to receive monies from the State Underground Petroleum Environmental Response Bank (SUPERB) Account, will be notified when monies are available to perform necessary site rehabilitation actions. Those releases posing the greatest identified risk to human health and the environment receive funding priority. The classification system by which the risk and funding priority is determined is outlined in the SUPERB Site Rehabilitation and Fund Access Regulations, R.61-98.

The SUPERB Act requires that all costs for site rehabilitation receive prior approval from the Department of Health and Environmental Control (the Department). If the UST owner or operator wishes to proceed with site rehabilitation activities for a release that is not currently funded, the Department has a deferred compensation contract that allows the UST owner or operator to receive approval for reasonable costs at this time with possible future compensation from the SUPERB Account.

Any contractor who performs UST site rehabilitation work in South Carolina must be certified by the Department. UST owners or operators may select their own site rehabilitation contractor to perform necessary actions in accordance with the criteria and allowable costs established by the Department. As a customer service, the Department can directly procure the services of a certified site rehabilitation contractor for UST owners and operators upon their request.

Allowable costs for site assessment, abandonment, and monitoring components are outlined below. All planned active corrective actions are noticed in South Carolina Business Opportunities to obtain technically acceptable proposals and allowable costs.

Established Scopes of Work

See applicable guidance document for required components

Scope of Work	Southeast Region	All Other Counties
Initial Ground-Water Assessment	\$1,270.00	\$1,470.00
Tier I Assessment	\$10,105.00	\$11,105.00

Notes:

- (1) The Southeast region includes the following counties: Beaufort, Berkeley, Charleston, Colleton, Dorchester, Georgetown, Hampton, Horry, Jasper, Marion, and Williamsburg.
- (2) If the total well footage exceeds 25 feet for an Initial Ground-Water Assessment (IGWA) or 75 feet for a Tier I, the additional footage can be charged to the account at the component rate listed below. Costs associated with sampling of receptors (groundwater wells) within a 500-foot radius of the source, sampling for metals at waste oil USTs, or other pre-approved costs outside the standard scope shall be submitted on an assessment component invoice with the IGWA or Tier I invoice. As the price for the standard scope includes all project coordination and report preparation costs, a 15 percent markup or handling fee is not allowed for the additional components added to the IGWA or Tier I invoice.

SUPERB Allowable Costs Per Component

<u>COMPONENT</u>	<u>UNIT</u>	<u>UNIT PRICE</u>
1. Plan Preparation		
A. Tier II or Component Plan	each	\$ 100.00
B. Tax Map	each	\$ 50.00
2. Receptor Survey	each	\$ 500.00*
3. Comprehensive Survey	each	\$ 1,000.00
4. Mob/Demob		
A. Equipment	each	\$ 500.00
B. Personnel	each	\$ 250.00
C. Adverse Terrain Vehicle	each	\$ 500.00
5. Soil Borings (hand auger)	per foot	\$ 14.00*
6. Soil Borings (requiring equipment, push technology, etc.) or Field Screening (i.e., water sample, soil sample, or soil gas sample)	per foot	\$ 17.00*
7. Soil Leachability Model	each	\$ 200.00
8. Abandonment	per foot	\$ 4.00*
9. Well Installation		
A. Water Table (hand auger)	per foot	\$ 20.00*
B. Water Table (drill rig)	per foot	\$ 38.00*
C. Telescoping	per foot	\$ 58.00*
D. Rock Drilling	per foot	\$ 58.00*
10. Sample Collection / Gauge Depth to Water or Product		
A. Groundwater (purge)	per well or receptor	\$ 55.00*
B. Air or Vapors	per receptor	\$ 90.00*
C. Water Supply	per well or receptor	\$ 25.00*
D. Groundwater (no purge)	per well or receptor	\$ 35.00*
E. Gauge Well Only	per well	\$ 20.00*
11. Analyses-Groundwater		
A. BTEX+Naph.+MTBE	per sample	\$ 100.00
B. BTEX+Naph.+MTBE	per rush sample	\$ 120.00
C. BTEX+Naph.+MTBE+TMB	per rush sample	\$ 135.00
D. PAHs	per sample	\$ 120.00
E. Lead	per sample	\$ 20.00
F. EDB	per sample	\$ 55.00
G. 8 RCRA Metals	per sample	\$ 140.00
H. TPH (9070)	per sample	\$ 55.00
I. pH	per sample	\$ 10.00
J. BOD	per sample	\$ 40.00
K. Nitrate	per sample	\$ 20.00
L. Sulfate	per sample	\$ 20.00
M. Ferrous Iron	per sample	\$ 20.00
N. Methane	per sample	\$ 110.00
O. Organic Lead	per sample	\$ 100.00
P. 8 Oxygenates	per sample	\$ 85.00
Analyses-Soil		
Q. BTEX +Naph.	per sample	\$ 100.00
R. PAHs	per sample	\$ 120.00
S. 8 RCRA Metals	per sample	\$ 150.00
T. TPH (9071)	per sample	\$ 60.00

<u>COMPONENT</u>	<u>UNIT</u>	<u>UNIT PRICE</u>
Analysis – Soil (continued)		
U. TPH (3550B/8015B)	per sample	\$ 65.00
V. TPH (5030B/8015B)	per sample	\$ 65.00
W. Grain size / hydrometer	per sample	\$ 75.00
X. Total Organic Carbon	per sample	\$ 35.00
Analyses-Air		
Y. BTEX +Naph.	per sample	\$ 100.00
Analyses-Free-Phase Product		
Z. Hydrocarbon Fuel Identification.	per sample	\$ 593.00
12. Aquifer Characterization		
A. Pumping Test	per hour	\$ 120.00*
B. Slug Test	per test	\$ 150.00*
13. Free Prod. Recov. Rate Test	each	\$ 120.00*
14. Fate/Transport Modeling		
A. Mathematical Model	each	\$ 300.00
B. Computer Model	each	\$ 500.00
15. Risk Evaluation		
A. Tier 1 Risk Evaluation	each	\$ 300.00
B. Tier 2 Risk Evaluation	each	\$ 500.00
16. Subsequent Survey	each	\$ 260.00*
17. Disposal		
A. Wastewater		
1. Purging/sampling	drum	\$ 90.00*
2. Pumping Test/EFR	gallon	\$ 0.60*
B. Free Product	drum	\$ 110.00*
C. Soil Treatment/Disposal	ton	\$ 50.00*
	drum	\$ 50.00*
18. Miscellaneous	each	pre-approved
19. Report Preparation and Project Coordination	%	15% of total for non-standard scopes
20. IGWA	Standard	
21. Tier I Assessment	Standard	
22. Active Corrective Action	PFP Bid	
23. EFR		
A. 8-hour event	each	\$ 3,000.00*
B. Per-hour continuance	per hour	\$ 204.00
C. Off-gas Treatment	per hour	\$ 35.00
24. Granular Activated Carbon (GAC) filter system installation and service:		
A. New GAC system installation	each	\$ 2,500.00*
B. Refurbished GAC system installation	each	\$ 850.00*
C. Filter replacement/removal	each	\$ 450.00*
D. GAC system removal, cleaning, and refurbishment	each	\$ 450.00*
E. GAC system housing	each	\$ 450.00
F. In-line particulate filter	each	\$ 140.00
G. Additional piping and fittings	foot	\$ 4.00

*The appropriate mobilization cost can be added to complete these components, as necessary.

Description of SUPERB Allowable Cost Components

1. **PLAN PREPARATION** includes all personnel, equipment, and material costs associated with the preparation and submittal of a Tier II Assessment, well abandonment, monitoring, or other plan requested by the Department. One personnel mobilization shall be allowed if deemed appropriate to conduct a survey of site conditions prior to plan preparation. If obtaining and reporting of tax map information is warranted, an additional \$50.00 may be allowed.
2. **RECEPTOR SURVEY** includes all personnel, equipment, and material costs associated with the location, documentation (on an approximately scaled site map), and screening of all potentially impacted receptors within 1,000 feet of the facility being investigated. A receptor includes any person, structure, surface water body, basement, utility, sensitive habitat, and/or water supply well that are or may be affected by a release. Screening means semi-quantitative measurement for hydrocarbons using properly calibrated field instruments such as organic vapor analysis, immunoassay, and/or explosive limit indicator. One personnel mobilization may be added to this component if it is conducted independently of other components.
3. **COMPREHENSIVE SURVEY** includes all personnel, equipment, and material costs associated with the spatial location (both horizontal and elevations) of all existing and former underground storage tanks, lines, dispensers, above and below ground structures, and potential receptors (identified during the receptor survey). A Professional Land Surveyor, holding a current SC license, shall perform this survey. The report will include a plat or map signed or certified by the Professional Land Surveyor. The cost for travel to and from the site by the Professional Land Surveyor and completion of the map are included in the rate. Additional mobilization may not be added to this component. Only one comprehensive survey will be allowed per site.
4. **MOBILIZATION / DEMOBILIZATION**
 - A) **Equipment** (Drilling or Field Screening) includes all personnel, equipment, mileage, and material costs to transport equipment, materials, and personnel to and from the site to include all hotel, motel, meals, and other per diem costs. One mobilization may be allowed to conduct the field screening using direct push equipment and a second equipment mobilization may be allowed for the drill rig to install permanent monitoring wells. Additional equipment mobilizations will not be allowed for mobilization of drilling support trucks or equipment. More than two equipment mobilizations at any site shall require justification and pre-approval by the Department for payment. If the professional that will oversee field screening or well installation is not associated with the well driller's firm or company, a personnel mobilization shall be allowed in addition to the equipment mobilization. If more than two equipment mobilizations are anticipated for a site, proposal and justification shall be included in the Plan. If the vertical and horizontal extent of chemicals of concern is not fully defined by the tier report, the Department may not approve additional future mobilizations for additional screening or well installation.
 - B) **Personnel** includes all personnel travel time, per diem, hotel, motel, food, mileage, equipment, and material costs associated with completion of site activities that do not include drilling or field screening equipment mobilization described above. As many components as possible should be conducted simultaneously so that unnecessary personnel mobilizations are not conducted (e.g., aquifer testing can be completed during the same mobilization event as ground-water sample collection, subsequent survey, and a receptor survey). Additional mobilizations shall not be allowed for several persons or multiple vehicles all going to the site at the same time. The component number for each personnel mobilization event shall be shown on the assessment component cost proposal form.
 - C) **Adverse Terrain Vehicle** (deemed justifiable due to adverse field conditions) includes all personnel,

equipment, mileage, and material costs associated with transporting equipment, materials, and personnel to and from the site deemed necessary to conduct field screening, drilling, sampling, or other activities. The rate may be in addition to the equipment mobilization described above.

5. FIELD SCREENING/ SOIL BORINGS (hand auger) includes all personnel, equipment, and material costs associated with the advancement of temporary borings/wells, collection of soil, gas, or water samples, and analysis of the samples using field calibrated instruments or test kits (e.g., organic vapor analysis, immunoassay), and completion of boring/ well completion logs or DHEC Form 1903. If the professional that will oversee field screening is not associated with the well driller's firm or company, an additional personnel mobilization shall be allowed. Boring or screening logs shall indicate the name and registration number of the Certified Well Driller holding a current SC License, and whether installation was by hand auger or machinery (e.g., drill rig, push technology). Any screening point converted to a permanent monitoring well will be compensated only for the installation of the permanent well at the higher well rate.
6. FIELD SCREENING/ SOIL BORINGS (requiring equipment - e.g., drilling rig, push technology) includes all personnel, equipment, and material costs associated with the advancement of temporary borings/wells, collection of soil, gas, or water samples, and analysis of the samples using field calibrated instruments or test kits (e.g., organic vapor analysis, immunoassay), and completion of boring/ well completion logs or DHEC Form 1903. If the professional that will oversee field screening is not associated with the well driller's firm or company, a personnel mobilization shall be allowed in addition to the equipment mobilization. Boring or screening logs shall indicate the name and registration number of the Certified Well Driller holding a current SC License and whether installation was by hand auger or machinery (e.g., drill rig, push technology). Any screening point converted to a permanent monitoring well will be compensated only for the installation of the permanent well at the higher well rate.
7. SOIL LEACHABILITY MODEL includes all personnel, equipment, and material costs associated with the prediction of the fate and transport of petroleum through the soil to the groundwater using either the Department's leachability model or any other equivalent method and completion of the Department's form.
8. ABANDONMENT includes all personnel and material costs associated with the proper abandonment of temporary or permanent monitoring wells or borings with a borehole diameter exceeding one inch in accordance with the current SC Well Standards and Regulations R.61-71 under the direct supervision of a Certified Well Driller holding a current SC License. One equipment mobilization may be added to this component.
9. WELL INSTALLATION includes all personnel, equipment, and material costs associated with the installation of permanent water table wells, rock wells, and telescoping wells in accordance with the current SC Well Standards and Regulations R.61-71 under the direct supervision of a Certified Well Driller holding a current SC License, describe the soil lithology, screen for volatile organic chemicals, develop the well, determine the depth to groundwater and free product, containerize all generated drill cuttings and development/purge waters, and complete well completion logs. If the professional that will oversee field screening is not associated with the well driller's firm or company, a personnel mobilization may be allowed in addition to the equipment mobilization. A separate mobilization is not allowed for well drilling or other support trucks. A single per-foot rate will be charged for each drilled well (e.g., a well drilled 20 feet in saprolite and 20 feet in bedrock will be considered 40 feet of rock drilling with only one equipment mobilization). A completed DHEC Form 1903, or similar form, shall indicate the method of well installation (e.g., hand auger, air rotary, hollow stem auger. etc.) and other pertinent information and be submitted as part of the final report.

10. SAMPLE COLLECTION/ GAUGING DEPTH TO PRODUCT OR GROUNDWATER includes all personnel, equipment, and material costs associated with collection of groundwater samples using purging methods, groundwater samples using no-purge methods or surface water, water supply samples, air or vapor samples, and well-gauging only, sample preparation, and shipment to an SC-certified laboratory. The collection cost includes all instruments required to document well purging has been accomplished (e.g., pH meter, conductance meter, thermometer, water-level probe) and dissolved oxygen levels. Additionally, sample collection may include collection of free phase product in a well provided the collection of free product is not part of a free product recovery test (component #13). During field screening (component #6), this rate may be applied to downgradient groundwater samples collected and sent to a certified laboratory for analysis to detect MtBE. One collection event is allowed for each media collected at a well or receptor. (For example, one groundwater and one vapor sample, both from the basement of a building adjacent to a UST site, shall be considered two separate sample collection events; sampling groundwater in a monitoring well for dissolved oxygen and obtaining a groundwater sample for BTEX, MtBE, and RCRA Metals shall all be one sample collection event.) Air or vapor samples must be collected in a metal cylinder. The soil sample collection fee is included in the boring, screening, or well rate. If a sample is obtained from a stream or other surface-water body, or if the monitoring well is not purged, the "no purge" groundwater sampling rate will apply. The gauge only rate includes all personnel, equipment, and materials necessary to determine the depth to groundwater and/or free product when no sample is collected. One personnel mobilization may be added to this component if it is conducted independently of other components.
11. ANALYSES include all personnel, equipment, and material costs associated with analytical analysis by a SC Certified Laboratory and reporting of the results using appropriate chain of custody, field notes, and certificates of analysis in accordance with the latest Analytical Methodology for Petroleum Releases document and SW-846. Chain of custody and field notes must be included with the final report. The eight (8) oxygenates are: ethanol, ethyl tert-butyl alcohol (ETBA), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), diisopropyl ether (DIPE), tert-butyl formate (TBF), tert-butyl alcohol (TBA), and tert-amyl alcohol (TAA). The eight (8) RCRA metals are: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Rush analysis will be 24-hour turnaround by the laboratory, with written results provided to the UST project manager within 48 hours of sample collection. Mobilization may not be added to this component.

Hydrocarbon Fuel Identification: includes all personnel, equipment, and material costs associated with hydrocarbon fuel identification to identify the type of product or mixture of products and determine relative age of product or mixture of products using a scientifically accepted procedure for hydrocarbon fuel identification (e.g., GC/FID, GC/ECD, GC/MS, PIANO, etc.). This may require the laboratory to perform a series of analyses to make an informed and justifiable determination including, but not necessarily limited to, lead analysis as a means of age-dating a petroleum release. The rate includes sample containers, shipping containers, labels, and documentation as required by the shipping company, the International Air Transportation Association (IATA), and any federal, state, or local regulations. Mobilization may not be added to this component.
12. AQUIFER CHARACTERIZATION includes all personnel, equipment, and material costs associated with completion of a pumping test or slug test, record and report all data, reduce the data, and summarize it on the Department's pumping test or slug test report forms. One personnel mobilization may be added to this component when not combined with other components.
13. FREE PRODUCT RECOVERY RATE TEST includes all personnel, equipment, and material costs associated with performance of a free product recovery, bail down, or bail out test, calculate the free product recharge rate and true thickness, summarize the data in a tabular format, and discuss the results in a succinct narrative. One personnel mobilization may be added to this component when not

combined with other components.

14. FATE/TRANSPORT MODELING includes all personnel, equipment or materials, and computer software costs associated with completion of fate and transport modeling of petroleum in soil, groundwater, and/or vapors using mathematical or computer models, as appropriate. All chemicals of concern shall be modeled for any one medium using one model. SUPERB will reimburse for only one model per medium.
 - A) A mathematical model involves calculations completed using either a hand calculator or a computer spreadsheet and the final output solely results in a set of calculated numbers (e.g., Domenico, MODFLOW, or AT 123D output in tabular data or a computer spread sheet). Calculation of several chemicals of concern using the same model (e.g., Domenico) shall be considered one model. Calculation for several exposure pathways in the same medium (e.g., groundwater) shall be considered one model since only a distance to each exposure point would change.
 - B) A computer model includes any computer software and the calibration of the model to the current site conditions which uses an iterative or complex approach to solve mathematical expressions, and produces computer generated input and output data summaries, figures, or charts to interpret fate and transport of chemicals of concern through a medium (e.g., DSS, BIOPLUME II, BIOSCREEN). Natural attenuation measurements and calibration to existing analytical data must be included as part of the modeling effort. A separate model will be allowed for each medium if a separate model was used. (For example, using AT 123D, SESOIL and Box models for groundwater, soil, and vapors, respectively, would be three models; using the RBCA tool kit that calculates soil, ground water, and vapors with a single entry of field or laboratory data would be one computer model.) Calculation of several chemicals of concern and/or calculation for several exposure pathways in the same medium (e.g., groundwater) is considered one computer model.
15. RISK EVALUATION: Either a tier 1 or a tier 2 evaluation (not both for the same report) shall be requested.
 - A) TIER 1 RISK EVALUATION includes all personnel, equipment, and material costs associated with evaluation of the site data and potential receptors in order to determine the most appropriate action in accordance with the Department's Risk-Based Corrective Action Guidance. Mobilization may not be added to this component.
 - B) TIER 2 RISK EVALUATION includes all personnel, equipment, and material costs associated with evaluation of the site data and potential receptors in order to determine the most appropriate action for the site in accordance with the Department's Risk-Based Corrective Action Guidance. Tier 2 evaluation includes all tier 1 evaluation components. Mobilization may not be added to this component.
16. SUBSEQUENT SURVEY includes all personnel, equipment, and material costs associated with determining the location and elevation of screening points and permanent wells to be included in an existing comprehensive survey. A subsequent survey may be performed by a Professional Land Surveyor, holding a current SC license, or a person trained and proficient in surveying procedures. One personnel mobilization may be added to this component, where appropriate.
17. DISPOSAL includes all personnel, equipment, and material costs associated with obtaining signatures on manifests, load, transport, treat and/or dispose of wastewater, free product, and soil. One personnel mobilization may be added to this component.

18. MISCELLANEOUS includes all personnel, equipment and material costs not included in any of the defined components, which may be needed on a site-specific basis. Actual expenditures documented by vendor receipts or employee rate without fringes must be submitted with the invoice (e.g., laboratory invoice for special analytical method, rental contract for free product recovery equipment, etc.). Any and all costs for the environmental contractor or any subcontractor must be pre-approved. Components will receive no markup or handling fee other than component #20. If a professional or technician will oversee a component and is not associated with the firm or company conducting the component, a separate personnel mobilization for the professional or technician may be allowed.
19. ASSESSMENT REPORT/PROJECT COORDINATION includes all personnel, equipment, and material cost to complete a report documenting the data, results, and conclusions of all components completed during that phase of work. All personnel oversight and miscellaneous costs associated with procuring subcontractors, coordination of the project to include disposal of generated waste and off site access, verification of work, communication with any parties, invoicing, and coordination with the department are also included. The sum of all components may be multiplied by this percentage and then added to the total for a Tier II Assessment Report, Monitoring Report, or Well Abandonment Report. Any report that interprets the geology or groundwater flow must be signed and sealed by a professional geologist or engineer licensed to practice in the state of South Carolina. Any report must be submitted by a DHEC certified site rehabilitation contractor. Mobilization may not be added to this component. If the UST owner or operator and the site rehabilitation contractor have a familial or financial relationship, this component shall not be allowed.
20. IGWA includes all personnel, equipment, and material cost to complete an Initial Groundwater Assessment (IGWA) in accordance with the IGWA guidance document.
21. TIER I ASSESSMENT includes all personnel, equipment, and material cost to complete a Tier I Assessment in accordance with the Tier I Assessment guidance document.
22. ACTIVE CORRECTIVE ACTION includes all personnel, equipment, and material cost to complete corrective action in accordance with site-specific contract or bid specifications.
23. ENHANCED FLUID RECOVERY (EFR) includes all personnel, equipment, and material costs to conduct one 8-hour EFR event. Hourly rate applies for EFR continued beyond 8 hours. The event includes: submittal of a Bureau of Air Quality Control (BAQC) UST Modeling form and obtaining a BAQC discharge permit prior to the event; recording product and water levels in wells designated by the Department; applying vacuum to up to three wells within fifty feet of each other; monitoring and reporting product recovery rates, volatile air emission concentrations, and radius of vacuum influence (at 30-minute intervals); and, preparation and submittal of a report documenting the event. Equipment mobilization may be added to this component, where appropriate. A separate mobilization shall not be allowed for other support trucks. If the professional that will oversee the recovery event and collect data for the report is not associated with the EFR firm or company, a personnel mobilization may be allowed in addition to the EFR cost. A single per-gallon rate may be charged for transport and disposal of recovered fluids. Off-gas treatment rate (per-hour rate) applies if off-gas treatment is required because total volatile air emission concentrations are within 5% of the maximum limits established by the BAQC.
24. GRANULAR ACTIVATED CARBON (GAC) FILTER SYSTEM INSTALLATION AND SERVICE includes all personnel, equipment, and material costs associated with the installation of a GAC filter system. All plumbing work must be performed by a professional plumber certified in the State of South Carolina. The GAC system must filter volatile organic compounds (to include benzene, ethylbenzene, xylenes, methyl tert-butyl ether, etc.), polynuclear aromatic hydrocarbons and dissolved metals. The unit must have a minimum carbon capacity of two cubic feet or 50 pounds. New units

must have a minimum five-year warranty on the control head and a lifetime warranty on the tank. The unit must have an automatic counter to keep account of water usage or a counter must be installed in conjunction with the unit. The unit must have a 48-hour capacitor that will reset the equipment for backwashing purposes in the event of electrical failure. The equipment specifications must be validated by the Water Quality Association. The contractor will provide a six-month warranty on all pipe, fittings, etc. used in the installation of all systems. The system will be installed inside the existing well house (space permitting) or inside a locked housing. Copies of all keys to locks must be provided to the owner of the well and to the Department. The contractor will install faucets on the inlet and outlet lines of the system to allow for sampling. The faucets must be located inside the locked housing of the system. The installation will include up to ten (10) feet of pipe (Sch. 40 PVC) and all necessary materials and fittings.

- A) Includes all personnel, equipment, material costs, and electrical hookups needed for the installation, repair, or maintenance of all major brands of GAC filter systems. Mobilization may be added to this component, where appropriate.
- B) Includes all personnel, equipment, material costs, and electrical hookups needed for the installation, repair, or maintenance of refurbished GAC filter system provided by the UST Program. Mobilization may be added to this component, where appropriate.
- C) Includes all personnel, equipment and material costs to remove and replace carbon/gravel filter in operating systems. Cost includes proper disposal of removed materials. Mobilization may be added to this component, where appropriate.
- D) Includes all personnel, equipment and material costs to remove, clean, refurbish, and deliver GAC system to a storage location (a location in central South Carolina, to be determined by the Department at the time of removal). Mobilization may be added to this component, where appropriate
- E) Includes all personnel, equipment and material costs to outfit the GAC system housing. Housing must be lockable (cost to include lock if needed), vented, insulated to prevent freezing, and of sufficient size to allow access to service the GAC unit. Multiple locks will be keyed alike. Installation will include providing a supply of electrical power for the system.
- F) Includes all personnel, equipment and material costs to install an in-line particulate filter to remove suspended solids from water prior to entering the system, if needed.
- G) Includes all personnel, equipment and material costs to install additional piping (Sch. 40 PVC) and fittings in excess of the allotted amount necessary to complete installation.